

## **MADERA COUNTY**

### **SENIOR ROAD CONSTRUCTION AND MAINTENANCE WORKER**

#### **DEFINITION**

Under direction, to lead, oversee, and participate in the work of staff responsible for performing a variety of work assignments in the maintenance, repair, and construction of roads, bridges, and drainage systems; to skillfully operate a variety of the County's more complicated road and bridge heavy construction and maintenance equipment; and to do related work as required.

#### **SUPERVISION EXERCISED**

Exercises technical and functional supervision over lower level staff.

#### **DISTINGUISHING CHARACTERISTICS**

This is the advanced journey level and lead supervisor class in the Road Construction and Maintenance Worker class series. An incumbent is expected to skillfully operate a variety of the County's more complicated heavy road and bridge maintenance and construction equipment. Operation of this equipment is characterized by a high degree of skill in manipulation of hand and foot controls and accuracy in moving materials to exact specifications. In addition, incumbents provide lead supervision and training for other staff. They may perform the duties of Road Construction and Maintenance Supervisor in the Supervisor's absence.

#### **EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES**

Leads, plans, directs, oversees, and participates in the work of staff responsible for performing a variety maintenance, repair, and construction of roads, bridges, and drainage systems work assignments; supervises the use and operation of road and bridge heavy construction and maintenance equipment; estimates time, material, and equipment required for assigned jobs; requisitions materials as required; orders parts as necessary and ensures parts ordered are received in a timely fashion; trains assigned employees including in the areas of work methods, techniques, and the use and operation of equipment; performs maintenance, repair, and construction of roads, bridges, and drainage systems; paves, patches, and repairs roads and streets; loads asphalt; rakes and shovels asphalt; hand-sweeps surfaces; repairs, installs, and replaces guard rails; chip seals roads; works on bridge repair and replacements; builds concrete forms; pours and finishes concrete; operates a jackhammer in road repairs; straightens and replaces snow stakes and road signs; cleans drainage ditches and catch basins; performs storm drain maintenance and repair; operates backhoe in cutting and back filling large trenches; operates Caterpillar tractors in cutting and filling earth to exact specifications; skillfully operates a variety of complicated heavy road and bridge maintenance and construction equipment; drives semi-trucks and trailer rigs in hauling materials and equipment to work sites; operates snow removal equipment; participates in the removal of hazardous trees in roadways; uses a variety of hand and power tools; performs welding work, steel fabrication, and flame cutting of metals; removes and installs gas and diesel fuel storage tanks; assists with routine maintenance and repair tasks on equipment; cleans and cares for tools and equipment; maintains time and equipment records; serves as the Road Construction and Maintenance Supervisor upon the request or absence of the Road Construction and Maintenance Supervisor.

#### **OTHER JOB RELATED DUTIES**

Performs related duties and responsibilities as assigned.

**JOB RELATED AND ESSENTIAL QUALIFICATIONS**

**Knowledge of:**

Principles of lead supervision and training.  
Methods, procedures, tools, materials, and equipment used in the construction, maintenance, and repair of County roads, bridges, and related facilities.  
Operation and maintenance of road and bridge maintenance heavy equipment.  
Pertinent Federal, State, and local laws, codes, and regulations.  
Geography and road locations of the assigned area of the County.  
Safe work practices.  
Principles used in the placement of construction signs and lane closure.

**Skill to:**

Operate a variety of motorized heavy equipment safely.  
Operate heavy road and bridge maintenance and construction equipment safely and skillfully.  
Operate a motor vehicle safely.  
Perform heavy physical labor.

**Ability to:**

Plan, organize, and review the work of maintenance staff in the area of work assigned.  
Provide lead supervision and training to assigned staff.  
Perform a variety of work assignments in the maintenance, repair and construction of roads, bridges, drainage systems, and related facilities.  
Maintain time and equipment records.  
Understand and follow oral and written directions.  
Communicate clearly and concisely, both orally and in writing.  
Establish, maintain, and foster positive and harmonious working relationships with those contacted in the course of work.

**Experience and Training Guidelines:**

*Any combination equivalent to experience and training that would provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be:*

**Experience:**

Three years of responsible experience in the maintenance, repair, and construction of roads, bridges, and drainage systems including one year of experience equivalent to that of an Equipment Operator with Madera County.

**Training:**

Formal or informal education or training which ensures the ability to read and write at a level necessary for successful job performance.

**License or Certificate:**

Possession of, or ability to obtain, an appropriate, valid Class "A" California Driver's License with endorsements for hazardous materials, tankers, and doubles issued by the State Department of Motor Vehicles.

**Special Requirements:**

*Essential duties require the following physical skills and work environment:*

Ability to sit, stand, walk, kneel, crouch, stoop, squat, twist, climb, and lift 50 lbs.; exposure to cold, heat, noise, outdoors, vibration, chemicals, explosive materials, mechanical hazards, and electrical hazards; ability to travel to different sites and locations; availability for on-call and stand-by.

**Effective Date:** May, 1996